



PTO/SB/08A (10-01)

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<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i></p>				Complete if Known	
				Application Number	10/804,629
				Filing Date	March 19, 2004
				First Named Inventor	Lucey et al.
				Art Unit	1621
				Examiner Name	To Be Assigned-NAZARIO-E
Sheet	1	of	3	Attorney Docket Number	19226/2291 (R-5824, R-5875, R-5881)

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature	<i>Sophie Nazario-Gonzalez</i>	Date Considered	6/22/06
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				Group Art Unit	1621
				Examiner Name	To Be Assigned NAZARIO-GONZALEZ
				Attorney Docket Number	19226/2291 (R-5824, R-5875, R-5881)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	14	Li et al., "Large-Scale Synthesis of Nearly Monodisperse CdSe/CdS Core/Shell Nanocrystals Using Air-Stable Reagents via Successive Ion Layer Adsorption and Reaction," <i>J. Am. Chem. Soc.</i> , 125:12567-12575 (2003)	
	15	Borchert et al., "Investigation of ZnS Passivated InP Nanocrystals by XPS," <i>Nano Lett.</i> , 2:151-154 (2002)	
	16	Haubold et al., "Strongly Luminescent InP/ZnS Core–Shell Nanoparticles," <i>Chem. Phys. Chem.</i> , 5:331-334 (2001)	
	17	Mićić et al., "Core–Shell Quantum Dots of Lattice-Matched ZnCdSe ₂ Shells on InP Cores: Experiment and Theory," <i>J. Phys. Chem. B</i> , 104:12149-12156 (2000)	
	18	Beachley et al., "Chemistry of In(C ₅ H ₅) ₃ and Some Heteroleptic Organoindium (III) Derivatives. Crystal and Molecular Structures of In(C ₅ H ₅) ₃ , (C ₅ H ₅) ₃ In·PPh ₃ , and (Me ₃ CCH ₂) ₂ In(C ₅ H ₅) ₃ ," <i>Organometallics</i> , 21:4632-4640 (2002)	
	19	Battaglia et al., "Formation of High Quality InP and InAs Nanocrystals in a Noncoordinating Solvent," <i>Nano Lett.</i> , 2:1027-1030 (2002)	
	20	Coates, "Trimethylgallium. Part I. The Relative Stabilities of its Coordination Compounds with the Methyl Derivatives of Groups VB and VIB, and the Thermal Decomposition of Some Trimethylgallium-Amine Complexes," <i>J. Chem. Soc.</i> , pp.2003-2013 (1951)	
	21	Park et al., "Cis–Trans Isomerization and Structure of Dimeric [Me ₂ Ga(μ-NH ^t Bu)] ₂ ," <i>Organometallics</i> , 11:3320-3323 (1992)	
	22	Coates et al., "Trimethylgallium. Part III. Reaction with Diphenylphosphine and –arsine," <i>J. Chem. Soc.</i> , pp.233-237 (1963)	
	23	Waggoner et al., "Reactions of Trimethylaluminum or Trimethylgallium with Bulky Primary Amines: Structural Characterization of the Thermolysis Products," <i>J. Am. Chem. Soc.</i> , 113:3385-3393 (1991)	
	24	Beachley et al., "Room Temperature Cyclopentadiene Elimination Reaction for the Synthesis of Diethylgallium–Amides, –Phosphides, and –Thiolates. Crystal and Molecular Structures of [Et ₂ GaP(t-Bu) ₂] ₂ and [Et ₂ GaS(SiPh ₃)] ₂ ," <i>Organometallics</i> , 15:3653-3658 (1996)	

Examiner Signature	<i>Soyline Nazario Gonzales</i>	Date Considered	6/22/06
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<i>[initials]</i>	25	Maury et al., "Raman Spectroscopy Characterization of Polycrystalline GaP Thin Films Grown By MO-CVD Process Using [Et ₂ Ga-PEt ₂] ₃ as Only Source," <i>J. Phys. (Paris)</i> , 43:CI-347-CI-352 (1982)		
<i>[initials]</i>	26	Maury et al., "Synthesis and Characterization of Diethylphosphino Ga(III) and In(III) Complexes with Covalent Metal-Phosphorus Bonds," <i>Polyhedron</i> , 3:581-584 (1984)		
<i>[initials]</i>	27	Storr et al., "Cyclic Imino Derivatives of Aluminium, Gallium, and Indium Dialkyls," <i>J. Chem. Soc.</i> , pp.3850-3854 (1971)		
<i>[initials]</i>	28	Storr, "Trimeric Methylaminogallane, (MeNHGaH ₂) ₃ and Related Compounds," <i>J. Chem. Soc.</i> , pp.2605-2608 (1968)		
<i>[initials]</i>	29	Beachley et al., "Use of Me ₂ Ga(C ₅ H ₅) To Prepare (Me ₂ GaERR') _n (E = N, P) at or Below Room Temperature and the Crystal and Molecular Structure of [Me ₂ GaP(Me)(Ph)] ₃ ," <i>Organometallics</i> , 12:1976-1980 (1993)		
<i>[initials]</i>	30	Beachley et al., "Cyclopentadiene Elimination Reaction as a Route to Bis(neopentyl)gallium Phosphides. Crystal and Molecular Structures of [(Me ₃ CCH ₂) ₂ and [(Me ₃ CCH ₂) ₂ GaP(C ₆ H ₁₁) ₂]," <i>Organometallics</i> , 16:3267-3272 (1997)		
<i>[initials]</i>	31	Beachley et al., "Cyclopentadiene Elimination Reactions for the Preparation of Organoindium(III) Derivatives. Crystal and Molecular Structures of Me ₂ In(acac), (Me ₃ CCH ₂) ₂ In(acac), (Me)(Me ₃ CCH ₂)In(acac), and [Me ₂ InNH(t-Bu)] ₂ ," <i>Organometallics</i> , 22:3991-4000 (2003)		
<i>[initials]</i>	32	Beachley et al., "Chemistry of Indium(III) Tris(cyclopentadienide). Reactions with Diphenylphosphine, <i>tert</i> -Butyl Alcohol, and Acetylacetone. Cyclopentadiene and Reductive Elimination Reactions," <i>Organometallics</i> , 22:1690-1695 (2003)		
<i>[initials]</i>	33	Furis et al., "Spectroscopic Studies of InP Nanocrystals Synthesized Through a Fast Reaction," Proceedings of the MRS-Materials Research Symposium, (2003) (Abstract)		
<i>[initials]</i>	34	Cartwright et al., "Ultrafast Dynamics in Nanostructured Materials," Proceedings of SPIE-The International Society for Optical Engineering, 5222(Nanocrystals, and Organic and Hybrid Nanomaterials), 134-139 (2003) (Abstract)		

Examiner Signature	<i>Jeffrey Nazario-Gonzalez</i>	Date Considered	6/22/06
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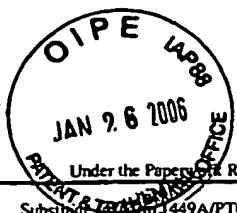
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		Number - Kind Code ² (if known)			
1	US-2002/0066401 A1	06-06-2002	Peng et al.		
2	US-6,911,082	06-28-2005	Sato et al.		
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